

STUDIES IN THE EUPATORIEAE (ASTERACEAE). LXII.

A NEW GENUS, NEOHINTONIA.

R. M. King and H. Robinson
Smithsonian Institution, Washington, D.C. 20560.

The single species described here as a new genus is closely related to the genera Mexianthus and Koanophyllon. The new genus Neohintonia, is the same as Mexianthus in having heads in spherical clusters with one flower per head, but the latter genus is distinct by the broad scalelike pappus, the achene constricted above, the carpodium undifferentiated and the anther appendage reduced to two small lobes. Neohintonia is more closely related to Koanophyllon which has the same type of achene but which has more flowers per head and has a groove up the middle of the inner surface of the anther appendage. Neohintonia is similar in habit to the related South American genus, Sphaereupatorium (O. Hoffmann) Kuntze ex B.L.Robinson but the latter genus has more flowers per head and a paleaceous receptacle.

One rather distinctive feature of Neohintonia is the occurrence of capitate glands along the styler appendages. Such glands have not been noticed in the related genera.

Neohintonia R.M.King & H.Robinson, genus novum Asteracearum (Eupatorieae). Plantae scandentes pauca ramosae. Caules teretes. Folia opposita vel ex parte alterna distincte petiolata, laminis ovatis subglabris margine serrulatis. Inflorescentiae laxae paniculatae, ramis axillaribus fasciculos sphaericos capitulorum gerentibus. Involucri squamae imbricatae 4-5 oblongae 2-seriatae ad apicem pauca hirsutae; receptacula parva glabra. Flores 1 (raro 2) in capitulo; corollae tubulares 5-lobatae, cellulis interioribus angustis parietibus sinuosis, lobis aequalateraliter triangularibus vel latioribus laevibus extus glanduliferis intus glabris; filamenta antherarum in parte superiore angusta, cellulis inferioribus quadratis inornatis, cellulis exothecialibus subquadratis vel latioribus, appendicibus antherarum breviter ephippioformibus; styli inferne non incrassati glabri, appendicibus late clavatis laevibus intus glanduliferis; achaenia prismatica 5-costata setifera parce glandulifera; carpodia distincta brevia obturaculiformia, cellulis parvis subquadratis, parietibus parum incrassatis; pappus setiformis uniseriatus, setis ca. 25 scabris tenuibus, cellulis apicalibus acutis.

Species typica: Eupatorium monanthum Schultz-Bip.

The genus is monotypic.

Neohintonia monantha (Schultz-Bip.) R.M.King & H.Robinson, comb.
nov. Eupatorium monanthum Schultz-Bip., Seem. Bot. Voy.
Herald 299. 1856. Mexico.

Acknowledgement

This study was supported in part by the National Science
Foundation Grant GB 20502 to the senior author.